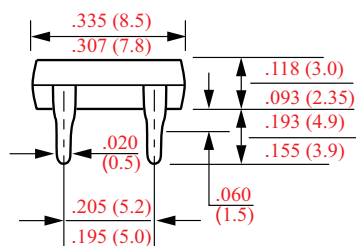
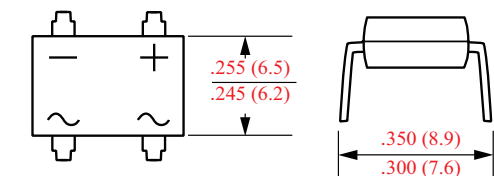


OUTLINE

DB



Dimensions in inches and (millimeters)



FEATURES

- Good for automation insertion
- Surge overload rating - 30 amperes peak.
- Ideal for printed circuit board.
- Reliable low cost construction utilizing molded.
- Glass passivated device.

MECHANICAL DATA

- Case: Molded plastic, DB
- Epoxy: UL 94V-O rate flame retardant
- Terminals :Plated terminals solderable per MIL-STD-202E method 208C
- Polarity: Marked on body.
- Mounting position: Any
- Weight: 1.0 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Single, half wave, 60Hz resistive or inductive load.
For capacitive load, derate current by 20%

RATINGS		SYMBOL	DB101	DB102	DB103	DB 104	DB105	DB106	DB107	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage		V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current at T _A = 40 °C		I _O	1.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	30							Amps
Typical Current Squared Time		I ² T	3.74							A ² S
Typical Thermal Resistance (Note 2)		R _{QJA}	40							°C/W
		R _{QJL}	15							
Operating and Storage Temperature Range		T _J , T _{STG}	-55 to + 150							°C
Maximum Forward Voltage Drop per Bridge Element at 1.0A DC		V _F	1.0							Volts
Maximum Reverse Current at Rated	@T _A = 25 °C	I _R	5.0							uAmps
DC Blocking Voltage per element	@T _A = 125 °C		0.05							mAmps

Note: 1."ROHS compliant".

2. Thermal Resistance: PCB mounted.

RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

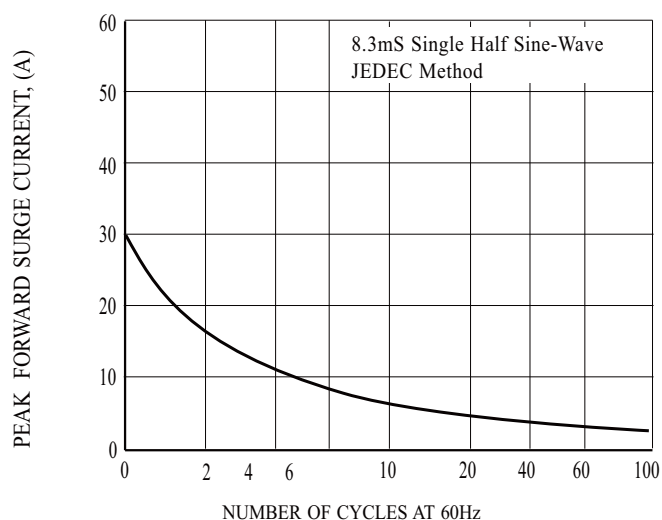


FIG. 2 - MAXIMUM INSTANTANEOUS FORWARD CHARACTERISTICS

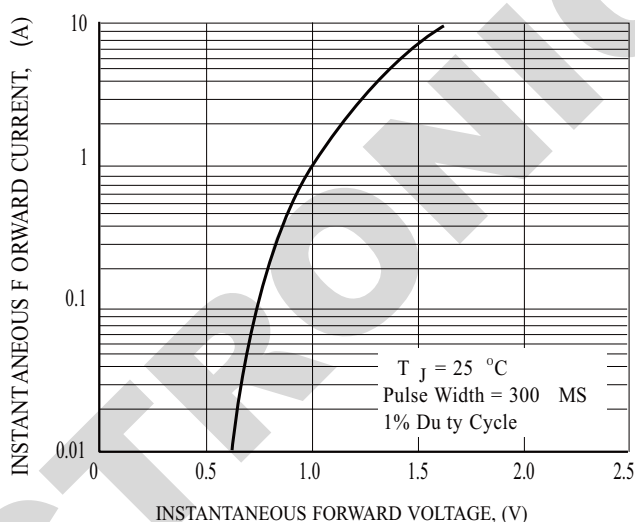


FIG. 3 - REVERSE CHARACTERISTICS

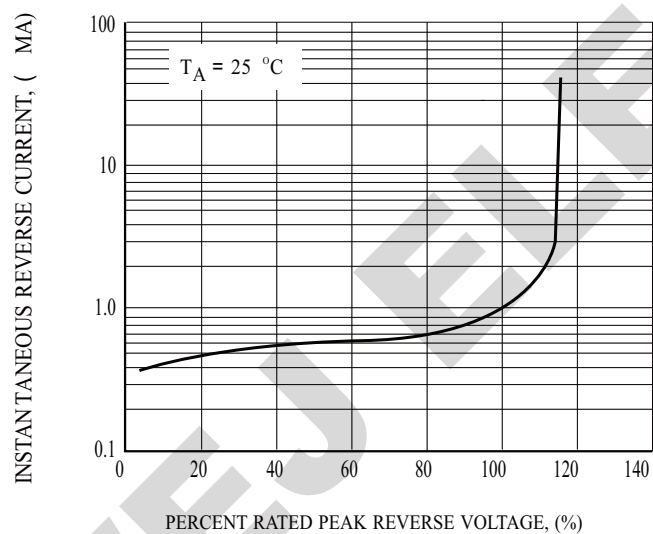
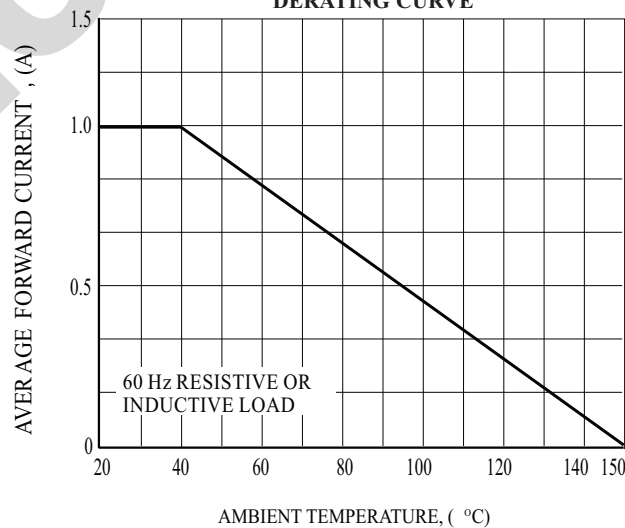
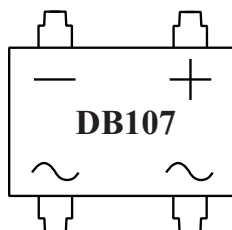


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE



Marking Code



Part No	Marking code
DB101	DB101
DB102	DB102
DB103	DB103
DB104	DB104
DB105	DB105
DB106	DB106
DB107	DB107